

Form PTO-1449 (modified)

Atty. Docket No.

ARCD:307USD1/GNS

Serial No.

09/768,877

List of Patents and Publications for Applicant's

Applicant

Kenneth S. Polonsky *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

January 23, 2001

Group:

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Documents

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Foreign Patent Documents

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U.S. Patents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
DL	A1	5,545,672	08/13/96	Knutson	514	603	07/08/94

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
DL	B1	WO 98/11254	3/19/98	PCT			
DL	B2	WO 96/09317	03/28/96	PCT			
DL	B3	WO 00/09709	02/24/00	PCT			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DL	C1	Barnes and Hodgkin, "The <i>tra-3</i> sex determination gene of <i>Caenorhabditis elegans</i> encodes a member of the calpain regulatory protease family," <i>EMBO J.</i> , 15(17):4477-4484, 1996.
↑	C2	Barrett <i>et al.</i> , "L-trans-epoxysuccinyl-leucylamido(4-guanidino)butane (E-64) and its analogues as inhibitors of cysteine proteinases including cathepsins B, H and L," <i>Biochem J.</i> , 201:189-198, 1982.
↑	C3	Carafoli and Molinari, "Calpain: a protease in search of a function?", <i>Biochem. Biophys. Res. Commun.</i> , 247:193-203, 1998.
↑	C4	Ciccarese <i>et al.</i> , "Preliminary data on a genome search in NIDDM siblings: the NIDDM 1 locus on chromosome 2 is not linked to NIDM in the Sardinian population", <i>Diabetologia</i> , 40:1366-1367, 1997.
↓	C5	Dear <i>et al.</i> , "A new subfamily of vertebrate calpains lacking a calmodulin-like domain: implications for calpain regulation and evolution", <i>Genomics</i> , 45:175-184, 1997.
DL	C6	Emori <i>et al.</i> , "Endogenous inhibitor for calcium-dependent cysteine protease contains four internal repeats that could be responsible for its multiple reactive sites", <i>Proc. Natl. Acad. Sci. USA</i> 84:3590-3594, 1987.

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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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Exam. Init.	Ref. Des.	Citation
22	C7	Figueiredo-Pereira <i>et al.</i> , "Comparison of the effect of calpain inhibitors on two extralysosomal proteinases: the multicatalytic proteinase complex and m-calpain", <i>J Neurochem</i> , 62:1989-94, 1994.
↑	C8	Flexner, "HIV-protease inhibitors," <i>N. Engl. J. Med.</i> , 338:1281-1292, 1998.
	C9	Ghosh <i>et al.</i> , "A large sample of Finnish diabetic sib-pairs reveals no evidence for a non-insulin-dependent diabetes mellitus susceptibility locus at 2qter", <i>J. Clin. Invest.</i> , 102:704-709, 1998.
	C10	Hani <i>et al.</i> , "Mapping NIDDM susceptibility loci in French families: studies with markers in the region of <i>NIDDM1</i> on chromosome 2q," <i>Diabetes</i> , 46:1225-1226, 1997.
	C11	Hanis <i>et al.</i> , "A genome-wide search for human non-insulin-dependent (type 2) diabetes genes reveals a major susceptibility locus on chromosome 2," <i>Nature Genet.</i> , 13:161-166, 1996.
	C12	Hashida <i>et al.</i> , "Inhibitions by E-64 derivatives of rat liver cathepsin B and cathepsin L <i>in vitro</i> and <i>in vivo</i> ," <i>J. Biochem</i> , 88:1805-1811, 1980.
	C13	Jackson <i>et al.</i> , "Obesity and impaired prohormone processing associated with mutations in the human prohormone convertase 1 gene", <i>Nature Genet.</i> , 16:303-306, 1997.
	C14	Mahtani <i>et al.</i> , "Mapping of a gene for type 2 diabetes associated with an insulin secretion defect by a genome scan in Finnish families", <i>Nature Genet.</i> , 14:90-94, 1996.
	C15	Naggert <i>et al.</i> , "Hyperproinsulinaemia in obese fat/fat mice associated with a carboxypeptidase E mutation which reduces enzyme activity", <i>Nature Genet.</i> , 10:135-141, 1995.
	C16	O'Dowd <i>et al.</i> , "Discovery of three novel G-protein-coupled receptor genes", <i>Genomics</i> , 47:310-313, 1998.
	C17	Posmantur <i>et al.</i> , "A calpain inhibitor attenuates cortical cytoskeletal protein loss after experimental traumatic brain injury in the rat", <i>Neuroscience</i> , 77:875-88, 1997.
	C18	Richard <i>et al.</i> , "Mutations in the proteolytic enzyme calpain 3 cause limb-girdle muscular dystrophy type 2A", <i>Cell</i> , 81:27-40, 1995.
✓	C19	Saido <i>et al.</i> , "Calpain: new perspectives in molecular diversity and physiological-pathological involvement," <i>FASEB J.</i> , 8:814-822, 1994.
22	C20	Smith <i>et al.</i> , "The insulin-induced down-regulation of IRS-1 in 3T3-L1 adipocytes is mediated by a calcium-dependent thiol protease", <i>Mol. Cell. Endocrinol.</i> , 122:81-92, 1996.

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DR	C21	Spielman and Ewens, "A sibship test for linkage in the presence of association: the sib transmission/disequilibrium test", <i>Am. J. Hum. Genet.</i> , 62:450-458, 1998.
↑	C22	Thomas <i>et al.</i> , "Genetic linkage study of a major susceptibility locus (D2S125) in a British population of non-insulin dependent diabetic sib-pairs using a simple non-isotopic screening method," <i>Hum. Genet.</i> , 101:212-213, 1997.
	C23	Tsujinaka <i>et al.</i> , "Synthesis of a new cell penetrating calpain inhibitor calpeptin," ABSTRACT, <i>Biochem. and Biophys. Res. Comm.</i> , 153(3): 1201-1208, 1988.
	C24	Ueda <i>et al.</i> , "Evidence for the participation of the proteasome and calpain in early phases of muscle cell differentiation", <i>Int. J. Biochem. Cell Biol.</i> , 30:679-94, 1998.
	C25	Villa <i>et al.</i> , "Calpain inhibitors, but not caspase inhibitors, prevent actin proteolysis and DNA fragmentation during apoptosis", <i>J. Cell. Sci.</i> , 111:713-22, 1998.
↓	C26	Waxman and Krebs, "Identification of two protease inhibitors from bovine cardiac muscle," <i>J. Biol. Chem.</i> 253:5888-5891, 1978.
DR	C27	Zimmerman <i>et al.</i> , "Inhibition of secretion from isolated rat alveolar epithelial type II cells by the cell permeant calpain inhibitor II (N-acetyl-leucyl-leucyl-methioninal)", <i>Cell. Calcium</i> , 18:1-8, 1995.
	C28	Braun <i>et al.</i> , "Identification of a new calpain-like cDNA in mouse lung," Database EMBL 'Online', XP002139084 Abstract
	C29	Braun <i>et al.</i> , "Identification of a new calpain-like cDNA in mouse lung," Database EMBL 'Online', XP002139083 Abstract
DR	C30	Cox <i>et al.</i> , "Loci on chromosomes 2 (NIDDM1) and 15 interact to increase susceptibility to diabetes in Mexican Americans," <i>Nature Genetics</i> , 21:213-215, 1999.
↑	C31	Terada <i>et al.</i> , "Delayed wallerian degeneration and increased neurofilament phosphorylation in sciatic nerves of rats with streptozocin-induced diabetes," <i>J Neuro Sci.</i> , 155:23-30, 1998.
↓	C32	Wang and Yuen, "Calpain inhibition: an overview of its therapeutic potential," <i>TIPS</i> , 15:412-417, 1994.
DR	C33	Saido <i>et al.</i> , "Calpain: new perspectives in molecular diversity and physiological-pathological involvement," <i>FASEB</i> , 8:814-822, 1994.

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